

## CLAIMS

**I claim:**

1. A multiple differential volume tube measurement quantitative conveying device which includes volume tubes (6), inlet pipes and outlet pipes, characters in,

There are at least two pieces of the volume tubes (6), divided into at least two groups;

The inlet pipe of each group volume tube is connected with main inlet pipe (7);

The outlet pipe of each group volume tube is connected with main outlet pipe (4);

A drive mechanism (5) is set for separately driving each group volume tube mentioned.

The mentioned drive mechanism (5) is simultaneously connected with a controller operated in complementary manner.

2. A conveying device of claim 1, wherein the controller mentioned is a computer (8) operated in differential manner.

3. A conveying device of claim 2, characters in there are four pieces of volume tubes (6), divided into two groups, wherein two pieces in each group are connected in series, and the different groups are connected in paralleling.

4. A conveying device of claim 2, wherein there are four pieces of volume tubes (6) which are connected at each fluid inlet and outlet in paralleling respectively.

5. A conveying method with a multiple differential volume tube measurement quantity conveying device, in which multiple pieces of volume tubes are connected in groups, and a chief control computer is set for controlling the drive capability/delivery capacity, wherein this method includes the following procedures,

25 A, confirming the conveying state of any referenced tube group;

B, deciding the compensatory conveying volume and the conveying state of the other volume tube groups according to the difference between the predetermined conveying volume and the conveying volume of the referenced volume tube groups.

30 6. A conveying method of claim 5, wherein the mentioned conveying state includes uniform speed, uniform acceleration or uniform deceleration.